



OASIS ebXML RegRep Version 4.0 Part 0: Overview Document

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Related Work:

This specification replaces or supersedes the [OASIS ebXML RegRep 3.0 specifications](#).

This specification consists of the following documents, schemas, and ontologies:

- [Part 0: Overview Document](#) (this document) - provides a global overview and description of the all the other parts
- [Part 1: Registry Information Model \(ebRIM\)](#) - specifies the types of metadata and content that can be stored in an ebXML RegRep
- [Part 2: Services and Protocols \(ebRS\)](#) - specifies the services and protocols for ebXML RegRep

- [Part 3: XML Schema](#) - specifies the XML Schema for ebXML RegRep
- [Part 4: WSDL](#) - specifies the WSDL interface descriptions for ebXML RegRep
- [Part 5: XML Definitions](#) - specifies the canonical XML data for ebXML RegRep as well as example XML documents used in the specification

Declared XML Namespace(s):

urn:oasis:names:tc:ebxml-regrep:xsd:lcm:4.0
 urn:oasis:names:tc:ebxml-regrep:xsd:query:4.0
 urn:oasis:names:tc:ebxml-regrep:xsd:rim:4.0
 urn:oasis:names:tc:ebxml-regrep:xsd:rs:4.0
 urn:oasis:names:tc:ebxml-regrep:xsd:spi:4.0
 urn:oasis:names:tc:ebxml-regrep:wSDL:NotificationListener:bindings:4.0
 urn:oasis:names:tc:ebxml-regrep:wSDL:NotificationListener:interfaces:4.0
 urn:oasis:names:tc:ebxml-regrep:wSDL:NotificationListener:services:4.0
 urn:oasis:names:tc:ebxml-regrep:wSDL:registry:bindings:4.0
 urn:oasis:names:tc:ebxml-regrep:wSDL:registry:interfaces:4.0
 urn:oasis:names:tc:ebxml-regrep:wSDL:registry:services:4.0
 urn:oasis:names:tc:ebxml-regrep:wSDL:spi:bindings:4.0
 urn:oasis:names:tc:ebxml-regrep:wSDL:spi:interfaces:4.0

Abstract:

This document is the overview document for the OASIS ebXML RegRep 4.0 specification. This specification consists of the following parts:

- Part 0: Overview Document (this document) provides a global overview and description of all the other parts
- Part 1: Registry Information Model specifies the types of metadata and content that can be stored in an ebXML RegRep
- Part 2: Services and Protocols specifies the services and protocols for ebXML RegRep
- Part 3: XML Schema specifies the XML Schema for ebXML RegRep
- Part 4: WSDL specifies the WSDL interface descriptions for ebXML RegRep
- Part 5: XML Definitions specifies the canonical XML data for ebXML RegRep as well as example XML documents used in the specification

Status:

This document was last revised or approved by the [OASIS ebXML Registry TC](#) on the above date. The level of approval is also listed above. Check the "Latest Version" location noted above for possible later revisions of this document.

Technical Committee members should send comments on this specification to the Technical Committee's email list. Others should send comments to the Technical Committee by using the "[Send A Comment](#)" button on the Technical Committee's web page at <http://www.oasis-open.org/committees/regrep/>.

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Table of Contents

| | | |
|-------|--|----|
| 1 | Introduction..... | 7 |
| 1.1 | Terminology..... | 7 |
| 1.2 | Terminology..... | 7 |
| 1.3 | Normative References..... | 7 |
| 1.4 | Non-normative References..... | 8 |
| 1.5 | The Library Analogy (Informative)..... | 9 |
| 1.6 | RepositoryItems and RegistryObjects..... | 9 |
| 1.7 | Namespaces..... | 10 |
| 1.7.1 | Namespaces Defined..... | 10 |
| 1.7.2 | Namespaces Referenced..... | 12 |
| 1.8 | Core Specification Documents..... | 13 |
| 1.9 | XML Schema..... | 13 |
| 1.10 | WSDL..... | 14 |
| 1.11 | XML Descriptions..... | 14 |
| 1.12 | Release Notes..... | 14 |
| 2 | Conformance..... | 15 |
| 2.1 | QueryManager Interface..... | 15 |
| 2.1.1 | Canonical Queries..... | 15 |
| 2.1.2 | Canonical Query Functions..... | 16 |
| 2.2 | LifecycleManager Interface..... | 16 |
| 2.3 | Version Control..... | 16 |
| 2.4 | Validator Interface..... | 16 |
| 2.5 | Cataloger Interface..... | 17 |
| 2.6 | Subscription and Notification..... | 17 |
| 2.7 | Multi-Server Features..... | 17 |
| 2.8 | Governance Features..... | 17 |
| 2.9 | Security Features..... | 18 |
| 2.10 | Native Language Support..... | 18 |
| 2.11 | REST Binding..... | 18 |
| 2.12 | SOAP Binding..... | 19 |
| | Appendix A. Acknowledgements..... | 20 |
| | Appendix B. Revision History..... | 21 |

Illustration Index

Index of Tables

| | |
|---|---|
| Table 1: ebXML RegRep comparison with your local library..... | 9 |
|---|---|

Table 2: Namespaces Defined..... 12

Table 3: Namespaces Referenced..... 13

2 1 Introduction

3 ebXML RegRep is a standard defining the service interfaces, protocols and information model for an
4 integrated registry and repository. The repository stores digital content while the registry stores metadata
5 that describes the content in the repository.

6 At some later time a more detailed overview of this specification may be provided in the ebXML RegRep
7 4.0 Primer.

8 1.1 Terminology

9 The keywords "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD
10 NOT", "RECOMMENDED", "MAY", and "OPTIONAL" in this specification are to be interpreted as
11 described in IETF [RFC 2119].

12 1.2 Terminology

13 The keywords "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD
14 NOT", "RECOMMENDED", "MAY", and "OPTIONAL" in this specification are to be interpreted as
15 described in IETF [RFC 2119].

16 1.3 Normative References

17 **[RFC 2119]** S. Bradner. *Key words for use in RFCs to Indicate Requirement Levels*. IETF RFC 2119,
18 March 1997. <http://www.ietf.org/rfc/rfc2119.txt>.

19 **[RFC 1766]** IETF (Internet Engineering Task Force). RFC 1766:
20 Tags for the Identification of Languages, ed. H. Alvestrand. 1995.
21 <http://www.cis.ohio-state.edu/htbin/rfc/rfc1766.html>

22 **[RFC 2130]** IETF (Internet Engineering Task Force). RFC 2130
23 The Report of the IAB Character Set Workshop held 29 February - 1 March,
24 1996
25 <http://www.faqs.org/rfcs/rfc2130.html>

26 **[RFC 2277]** IETF (Internet Engineering Task Force). RFC 2277:
27 IETF policy on character sets and languages, ed. H. Alvestrand. 1998.
28 <http://www.cis.ohio-state.edu/htbin/rfc/rfc2277.html>

29 **[RFC 2278]** IETF (Internet Engineering Task Force). RFC 2278:
30 IANA Charset Registration Procedures, ed. N. Freed and J. Postel. 1998.
31 <http://www.cis.ohio-state.edu/htbin/rfc/rfc2278.html>

32 **[RFC2616]** IETF (Internet Engineering Task Force). RFC 2616:
33 Fielding et al. *Hypertext Transfer Protocol -- HTTP/1.1*. 1999.
34 <http://www.w3.org/Protocols/rfc2616/rfc2616.html>

35 **[RFC2965]** IETF (Internet Engineering Task Force). RFC 2965:
36 D. Kristol et al. *HTTP State Management Mechanism*. 2000.
37 <http://www.w3.org/Protocols/rfc2616/rfc2616.html>

38 **[SOAP-MF]** SOAP Version 1.2 Part1 – Messaging Framework, April 2007
39 <http://www.w3.org/TR/2007/REC-soap12-part1-20070427/>

40 **[SOAP-ADJ]** SOAP Version 1.2 Part2 – Adjuncts, April 2007
41 <http://www.w3.org/TR/2007/REC-soap12-part2-20070427/>

- 42 **[WSA-CORE]** Web Services Addressing – Core 1.0
43 <http://www.w3.org/TR/2006/REC-ws-addr-core-20060509/>
- 44 **[WSA-SOAP]** Web Services Addressing – SOAP Binding 1.0
45 <http://www.w3.org/TR/2006/REC-ws-addr-soap-20060509/>
- 46 **[WSA-WSDL]** Web Services Addressing 1.0 - WSDL Binding, February 2006.
47 <http://www.w3.org/TR/ws-addr-wsdl>
- 48 **[WSDL2]** Web Services Description Language (WSDL) Version 2.0 Part 1: Core Language
49 <http://www.w3.org/TR/wsdl20>
- 50 **[WSS-CORE]** WS-Security Core Specification 1.1, February 2006.
51 [http://www.oasis-open.org/committees/download.php/16790/wss-v1.1-spec-os-](http://www.oasis-open.org/committees/download.php/16790/wss-v1.1-spec-os-SOAPMessageSecurity.pdf)
52 [SOAPMessageSecurity.pdf](http://www.oasis-open.org/committees/download.php/16790/wss-v1.1-spec-os-SOAPMessageSecurity.pdf)
- 53 **[WSS-UNT]** WS-Security Username Token Profile 1.1, February 2006.
54 [http://www.oasis-open.org/committees/download.php/16782/wss-v1.1-spec-os-](http://www.oasis-open.org/committees/download.php/16782/wss-v1.1-spec-os-UsernameTokenProfile.pdf)
55 [UsernameTokenProfile.pdf](http://www.oasis-open.org/committees/download.php/16782/wss-v1.1-spec-os-UsernameTokenProfile.pdf)
- 56 **[WSS-X509]** WS-Security X.509 Token Profile 1.1, February 2006.
57 [http://www.oasis-open.org/committees/download.php/16785/wss-v1.1-spec-os-](http://www.oasis-open.org/committees/download.php/16785/wss-v1.1-spec-os-x509TokenProfile.pdf)
58 [x509TokenProfile.pdf](http://www.oasis-open.org/committees/download.php/16785/wss-v1.1-spec-os-x509TokenProfile.pdf)
- 59 **[WSS-SAML]** WS-Security SAML Token profile 1.1, February 2006.
60 [http://www.oasis-open.org/committees/download.php/16768/wss-v1.1-spec-os-](http://www.oasis-open.org/committees/download.php/16768/wss-v1.1-spec-os-SAMLTOKENProfile.pdf)
61 [SAMLTOKENProfile.pdf](http://www.oasis-open.org/committees/download.php/16768/wss-v1.1-spec-os-SAMLTOKENProfile.pdf)
- 62 **[WSS-KRB]** WS-Security Kerberos Token Profile 1.1, February 2006.
63 [http://www.oasis-open.org/committees/download.php/16788/wss-v1.1-spec-os-](http://www.oasis-open.org/committees/download.php/16788/wss-v1.1-spec-os-KerberosTokenProfile.pdf)
64 [KerberosTokenProfile.pdf](http://www.oasis-open.org/committees/download.php/16788/wss-v1.1-spec-os-KerberosTokenProfile.pdf)
- 65 **[XML]** T. Bray, et al. Extensible Markup Language (XML) 1.0 (Second Edition). World
66 Wide Web Consortium, October 2000.
67 <http://www.w3.org/TR/REC-xml>
- 68 **[XMLDSIG]** XML-Signature Syntax and Processing
69 <http://www.w3.org/TR/2001/PR-xmlsig-core-20010820/>
70

71 1.4 Non-normative References

- 72 **[BPMN2]** BPMN 2.0 Specification
73 <http://www.omg.org/spec/BPMN/2.0/Beta2/>
- 74 **[IANA]** IANA (Internet Assigned Numbers Authority).
75 Official Names for Character Sets, ed. Keld Simonsen et al.
76 <http://www.iana.org/>
- 77 **[WSDL]** W3C Note. Web Services Description Language (WSDL) 1.1
78 <http://www.w3.org/TR/wsdl>
- 79 **[UML]** Unified Modeling Language
80 <http://www.uml.org>
81 <http://www.omg.org/cgi-bin/doc?formal/03-03-01>
- 82 **[UUID]** DCE 128 bit Universal Unique Identifier
83 http://www.opengroup.org/onlinepubs/009629399/apdx.htm#tagcjh_20
- 84 **[XPath2]** XML Path Language (XPath) 2.0, W3C Recommendation 23 January 2007
85 <http://www.w3.org/TR/xpath20>

89 1.5 The Library Analogy (Informative)

90 To explain what is an ebXML RegRep we use the following familiar analogy. The ebXML Registry-
91 Repository is to digital content, what your local library is to books and other published content. We make
92 this analogy clearer with the comparisons made in the following table:

93

| Your Local Library | ebXML RegRep |
|---|---|
| Manages books and all types of published material | Manages all types of digital content |
| Has book shelves containing books and other published material | Has a "repository" containing all types of digital content |
| Has a card catalog that describes the published material that is available in the book shelves | Has a "registry" that describes the digital content that is available in the repository |
| Multiple libraries can voluntarily participate in a cooperative network and offer a unified service | Multiple ebXML Registry-Repository's can voluntarily participate in a cooperative network and offer a unified service |

94

Table 1: ebXML RegRep comparison with your local library

95 1.6 RepositoryItems and RegistryObjects

96 An ebXML Registry is capable of storing any type of electronic content such as XML documents, text
97 documents, images, sound and video. Instances of such content are referred to as a RepositoryItems.
98 RepositoryItems are stored in a content *repository* provided by the ebXML Registry.

99 In addition to the RepositoryItems, an ebXML Registry is also capable of storing standardized metadata
100 that **MUST** be used to further describe RepositoryItems. Instances of such metadata are referred to as a
101 RegistryObjects (or one of its sub-types, as described later in this document). RegistryObjects are stored
102 in the *registry* provided by the ebXML Registry.

103 To illustrate these concepts we use the library analogy as follows:

- 104 ● An ebXML Registry is like your local library.
- 105 ● The repository is like the bookshelves in the library.
- 106 ● The repository items in the repository are like book on the bookshelves. The repository items can
107 contain any type of electronic content just like the books in the bookshelves can contain any type
108 of information.
- 109 ● The registry is like the card catalog. It is organized for finding things quickly.
- 110 ● A RegistryObject is like a card in the card catalog. All RegistryObjects conform to a standard just
111 like the cards in the card catalog conform to a standard.
- 112 ● Every repository item **MUST** have a RegistryObject that describes it, just like every book must
113 have a card in the card catalog.

114 To summarize, ebXML Registry stores any type of content as RepositoryItems in a repository and stores
115 standardized metadata describing the content as RegistryObjects in a registry.

116 **1.7 Namespaces**

117 **1.7.1 Namespaces Defined**

118 The following namespaces are defined by this specification.

| Prefix | Namespace URI | Defining Specification / Description |
|---------|--|--|
| lcm | urn:oasis:names:tc:ebxml-regrep:xsd:lcm:4.0 | ebXML RegRep Part 3: XML Schema file xsd/lcm.xsd Schema used by the LifecycleManager interface. |
| query | urn:oasis:names:tc:ebxml-regrep:xsd:query:4.0 | ebXML RegRep Part 3: XML Schema file xsd/query.xsd Schema used by the QueryManager interface. |
| rim | urn:oasis:names:tc:ebxml-regrep:xsd:rim:4.0 | ebXML RegRep Part 3: XML Schema file xsd/rim.xsd Schema used for information model objects specified by [regrep-rim-v4.0]. |
| rs | urn:oasis:names:tc:ebxml-regrep:xsd:rs:4.0 | ebXML RegRep Part 3: XML Schema file xsd/rs.xsd Common schema used by registry protocols defined by [regrep-rs-v4.0]. |
| spi | urn:oasis:names:tc:ebxml-regrep:xsd:spi:4.0 | ebXML RegRep Part 3: XML Schema file xsd/spi.xsd Schema used by the service provider interfaces defined by [regrep-rs-v4.0]. |
| nl-bind | urn:oasis:names:tc:ebxml-regrep:wSDL:NotificationListener:bindings:4.0 | ebXML RegRep Part 4: WSDL file wsdl/1.1/NotificationListenerBindings.wsdl WSDL binding definitions for NotificationListeners defined by [regrep-rs-v4.0]. |
| nl-int | urn:oasis:names:tc:ebxml-regrep:wSDL:NotificationListener:interfaces:4.0 | ebXML RegRep Part 4: WSDL file wsdl/1.1/NotificationListenerInterfaces.wsdl WSDL interface definitions for NotificationListeners defined by [regrep-rs-v4.0]. |
| nl-serv | urn:oasis:names:tc:ebxml-regrep:wSDL:NotificationListener:services:4.0 | ebXML RegRep Part 4: WSDL file wsdl/1.1/NotificationListenerServices.wsdl WSDL service definitions for NotificationListeners defined by [regrep-rs-v4.0]. |
| rr-bind | urn:oasis:names:tc:ebxml-regrep:wSDL:registry:bindings:4.0 | ebXML RegRep Part 4: WSDL file wsdl/1.1/regrep-server-binding.wsdl WSDL binding definitions for interfaces defined by [regrep-rs-v4.0]. |
| rr-int | urn:oasis:names:tc:ebxml-regrep:wSDL:registry:interfaces:4.0 | ebXML RegRep Part 4: WSDL file wsdl/1.1/regrep-server-interface.wsdl WSDL interface definitions for interfaces defined by [regrep-rs-v4.0]. |
| rr-serv | urn:oasis:names:tc:ebxml-regrep:wSDL:registry:services:4.0 | ebXML RegRep Part 4: WSDL file wsdl/1.1/regrep-server-service.wsdl WSDL service definitions for services defined by [regrep-rs-v4.0]. |

| Prefix | Namespace URI | Defining Specification / Description |
|----------|---|---|
| spi-bind | urn:oasis:names:tc:ebxml-regrep:wsdl:spi:bindings:4.0 | ebXML RegRep Part 4: WSDL file wsdl/1.1/regrep-server-binding.wsdl WSDL binding definitions for service provider interfaces for server plugins defined by [regrep-rs-v4.0]. |
| spi-int | urn:oasis:names:tc:ebxml-regrep:wsdl:spi:interfaces:4.0 | ebXML RegRep Part 4: WSDL file wsdl/1.1/regrep-server-interface.wsdl WSDL interface definitions for service provider interfaces for server plugin defined by [regrep-rs-v4.0]. |

119

Table 2: Namespaces Defined

120

1.7.2 Namespaces Referenced

121

The following is a list of namespaces referenced by this specification. This list is not exhaustive and may be incomplete.

122

| Namespace Prefix | Namespace URI | Defining Specification |
|------------------|---|--|
| enc | http://www.w3.org/2003/05/soap-encoding | A normative XML Schema [XML Schema Part 1], [XML Schema Part 2] document for the "http://www.w3.org/2003/05/soap-encoding" namespace can be found at http://www.w3.org/2003/05/soap-encoding . |
| env | http://www.w3.org/2003/05/soap-envelope | SOAP Version 1.2 Part 1. A normative XML Schema [XML Schema Part 1], [XML Schema Part 2] document for the "http://www.w3.org/2003/05/soap-envelope" namespace can be found at http://www.w3.org/2003/05/soap-envelope . |
| mime | http://schemas.xmlsoap.org/wsdl/mime/ | WSDL namespace for WSDL MIME binding. |
| wsdl | http://schemas.xmlsoap.org/wsdl/ | WSDL 1.1 namespace defined by WSDL 1.1 specification . |
| xacml | urn:oasis:names:tc:xacml:2.0:policy:schema:os | XACML 2.0 Core: eXtensible Access Control Markup Language (XACML) Version 2.0 |
| xacmlc | urn:oasis:names:tc:xacml:2.0:context:schema:os | XACML 2.0 Core: eXtensible Access Control Markup Language (XACML) Version 2.0 |
| xlink | http://www.w3.org/1999/xlink | XML Linking Language (XLink) Version 1.1 |
| xs | http://www.w3.org/2001/XMLSchema | XML Schema [XML Schema Part 1], [XML Schema Part 2] specification |
| xsi | " http://www.w3.org/2001/XMLSchema-instance " | W3C XML Schema specification [XML Schema Part 1], [XML Schema Part 2]. |

123

Table 3: Namespaces Referenced

124

1.8 Core Specification Documents

125

ebXML RegRep consists of two core specification documents:

126

- [Part 1: Registry Information Model \(ebRIM\)](#) specification defines the types of metadata that can be stored in an ebXML RegRep server.

127

128

- [Part 2: Services and Protocols \(ebRS\)](#) defines the services provided by an ebXML RegRep server and the protocols used by clients of the registry to interact with these services.

129

130

1.9 XML Schema

131

Part 3: XML Schema defines several XSD files that define types and elements referenced in the core specification documents as well. These are described in [Namespaces Define](#) section.

132

133 **1.10 WSDL**

134 Part 4: WSDL defines several WSDL files that define the wsdl interfaces, bindings and services
135 referenced in the core specification documents as well. These are described in [Namespaces Define](#)
136 section.

137 **1.11 XML Descriptions**

138 Part 4: XML Descriptions provide various XML files that are referenced within the core specification
139 documents:

- 140 ● xsd/minDB – Contains the canonical data thytat MUST be supported within every ebXML RegRep
141 server
- 142 ● xsd/demoDB – Contains the data that MAY be used to test the operation of an ebXML RegRep
143 server.
- 144 ● xsd/examples – Contains the data that has been used as illustrative examples within the core
145 cspecification documents

146 **1.12 Release Notes**

147 For a list of issues addressed by this version of the specification please see:

<http://jira.wx.ll.mit.edu/secure/ReleaseNote.jspa?projectId=10170&version=10372>

2 Conformance

148

149 This section defines the requirements for a server implementation claiming to conform to the ebXML
150 RegRep core specifications which consist of [regrep-rim-v4.0] and [regrep-rs-v4.0].

151 This specification defines two different conformance profiles for a server implementation. Conformance
152 profile RegistryLite requires the least functionality while conformance profile RegistryFull requires
153 additional functionality.

154 The remainder of this chapter is organized in sections where each section represents a feature set within
155 this specification. Each section has a conformance table where a row defines conformance requirement
156 for a feature within the feature set. The first column of each row describes a feature while the second
157 column titled "Profile" indicates the conformance profile that requires support for that feature. If a feature
158 required for a RegistryLite profile then it is also required for RegistryFull profile.

2.1 QueryManager Interface

159

160

| Features | Profile |
|---|--------------|
| Support for default QueryRequest format "application/x-ebres+xml" | RegistryLite |
| Local query invocation | RegistryLite |
| Stored query publishing and invocation | RegistryLite |
| Query plugin configuration and invocation | RegistryLite |
| Iterative query invocation | RegistryFull |
| Federated query invocation | RegistryFull |
| Support for depth parameter | RegistryFull |

161

2.1.1 Canonical Queries

162

163

| Canonical Queries | Profile |
|------------------------------|--------------|
| AdhocQuery | RegistryLite |
| BasicQuery | RegistryLite |
| ClassificationSchemeSelector | RegistryFull |
| FindAssociations | RegistryLite |
| FindAssociatedObjects | RegistryLite |
| GarbageCollector | RegistryLite |
| GetAuditTrailById | RegistryLite |
| GetChildrenByParentId | RegistryLite |

| Canonical Queries | Profile |
|------------------------------|--------------|
| GetClassificationSchemesById | RegistryLite |
| GetRegistryPackagesByMember | RegistryLite |
| GetNotification | RegistryFull |
| GetObjectById | RegistryLite |
| GetObjectsByLid | RegistryLite |
| GetReferencedObject | RegistryLite |
| KeywordSearch | RegistryFull |
| RegistryPackageSelector | RegistryFull |

164

2.1.2 Canonical Query Functions

165

166

| Canonical Query Functions | Profile |
|---------------------------|--------------|
| currentTime | RegistryFull |
| currentUserId | RegistryFull |
| relativeTime | RegistryFull |
| getClassificationNode | RegistryFull |

167

2.2 LifecycleManager Interface

168

| Features | Profile |
|------------------------|--------------|
| SubmitObjects protocol | RegistryLite |
| UpdateObjects protocol | RegistryFull |
| RemoveObjects protocol | RegistryLite |

169

2.3 Version Control

170

2.4 Validator Interface

171

| Features | Profile |
|--|--------------|
| Canonical XML Validator Plugin | RegistryFull |
| Custom Validator Plugin configuration and invocation | RegistryFull |

172

173 2.5 Cataloger Interface

| Features | Profile |
|--|--------------|
| Canonical XML Cataloger Plugin | RegistryFull |
| Custom Cataloger Plugin configuration and invocation | RegistryFull |

174

175 2.6 Subscription and Notification

176

| Features | Profile |
|--|--------------|
| Creating, updating and deleting subscriptions | RegistryFull |
| Notification delivery to Web Service endpoint | RegistryFull |
| Notification delivery to email endpoint | RegistryFull |
| Notification delivery to NotificationListener plugin | RegistryFull |
| Formatting of Email Notification via XSLT | RegistryFull |
| Pulling Notifications on demand | RegistryFull |

177

178 2.7 Multi-Server Features

179

| Features | Profile |
|--|--------------|
| Remote Object References | RegistryFull |
| Local replication of remote objects | RegistryFull |
| Registry Federations and federated queries | RegistryFull |

180

181 2.8 Governance Features

182

| Features | Profile |
|-----------------------------|--------------|
| Default Governance Process | RegistryLite |
| Custom Governance Processes | RegistryFull |

183

184 **2.9 Security Features**

185

| Features | Profile |
|--|--------------|
| Transport layer security | RegistryFull |
| SOAP message security | RegistryLite |
| Message confidentiality | RegistryFull |
| User registration and identity management | RegistryLite |
| Authentication | RegistryLite |
| Authorization using default access control policy | RegistryLite |
| Authorization using custom XACML access control policies | RegistryFull |
| Audit Trail | RegistryLite |

186

187 **2.10 Native Language Support**

188

| Features | Profile |
|---|--------------|
| All features described in Native Language Support (NLS) chapter | RegistryLite |

189

190 **2.11 REST Binding**

191

| Features | Profile |
|---|--------------|
| Canonical URL for RegistryObjects | RegistryLite |
| Canonical URL for RepositoryItems | RegistryLite |
| Query protocol REST binding: queryId and query parameters | RegistryLite |
| Query protocol REST binding: depth parameter | RegistryFull |
| Query protocol REST binding: format parameter | RegistryFull |
| Query protocol REST binding: federated parameter | RegistryFull |
| Query protocol REST binding: federation parameter | RegistryFull |
| Query protocol REST binding: matchOlderVersions parameter | RegistryFull |
| Query protocol REST binding: startIndex parameter | RegistryFull |
| Query protocol REST binding: lang parameter | RegistryFull |

| Features | Profile |
|---|--------------|
| Query protocol REST binding: maxResults parameter | RegistryFull |

192

193 2.12 SOAP Binding

194

| Features | Profile |
|-------------------------------|--------------|
| QueryManager SOAP binding | RegistryLite |
| LifeCycleManager SOAP binding | RegistryLite |

195

196 **Appendix A. Acknowledgements**

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210 **Appendix B. Revision History**

211

| Revision | Date | Editor | Changes Made |
|----------|------|----------------------------------|--|
| CSD01 | | Farrukh Najmi, Nikola Stojanovic | Initial version for 4.0. For a list of changes since 3.0 see http://wiki.oasis-open.org/regrep/documents/plan/regrep4/SummaryOfChanges |
| | | | |

212